

Undergraduate Certificate in Welding Technology

¹ Students may also fulfill this requirement by completing any MATH course for which MATH A105 is a prerequisite.

A minimum of 32 credits is required for the certificate.

This program is delivered only through Kenai Peninsula College.

The one-year Undergraduate Certificate in Welding Technology provides students with specific training for structural and pipe welding certification. Students gain comprehensive training in the latest welding technology, blueprint reading, layout and fabrication. Graduates of this program will be prepared for employment as structural or pipe welders, and will have a solid welding background for many mechanical trades.

Experienced welders have the option of bypassing the first semester courses by successfully completing written and practical examinations on first semester work.

Admission Requirements

- Complete the Admission Requirements for Undergraduate Certificates (<http://catalog.uaa.alaska.edu/academicpoliciesprocesses/admissions/undergraduate/>).

Graduation Requirements

- Complete the General University Requirements for Undergraduate Certificates (<http://catalog.uaa.alaska.edu/undergraduateprograms/certificaterequirements/>).
- Pass a structural, GMAW or FCAW and a pipe qualification test.
- Complete the following major requirements with a minimum cumulative GPA of 2.00:

| Code | Title | Credits |
|--------------|------------------------------------|-----------|
| WRTG A111 | Writing Across Contexts | 3 |
| or COMM A111 | Fundamentals of Oral Communication | |
| or WRTG A110 | Introduction to College Writing | |
| MATH A104 | Technical Mathematics ¹ | 3 |
| or MATH A105 | Intermediate Algebra | |
| WELD A101 | Introduction to Welding | 3 |
| WELD A157 | Technical Drawings for Welders | 3 |
| WELD A112 | Shielded Metal Arc Welding (SMAW) | 4 |
| WELD A114 | Welding of High Strength Steels | 3 |
| WELD A121 | Pipe Welding Vertical-Down SMAW | 4 |
| or WELD A122 | Pipe Welding Vertical-Up SMAW | |
| WELD A161 | Gas Metal Arc Welding (GMAW) | 3 |
| WELD A162 | Flux Cored Arc Welding (FCAW) | 3 |
| WELD A174 | Gas Tungsten Arc Welding (GTAW) | 3 |
| Total | | 32 |